

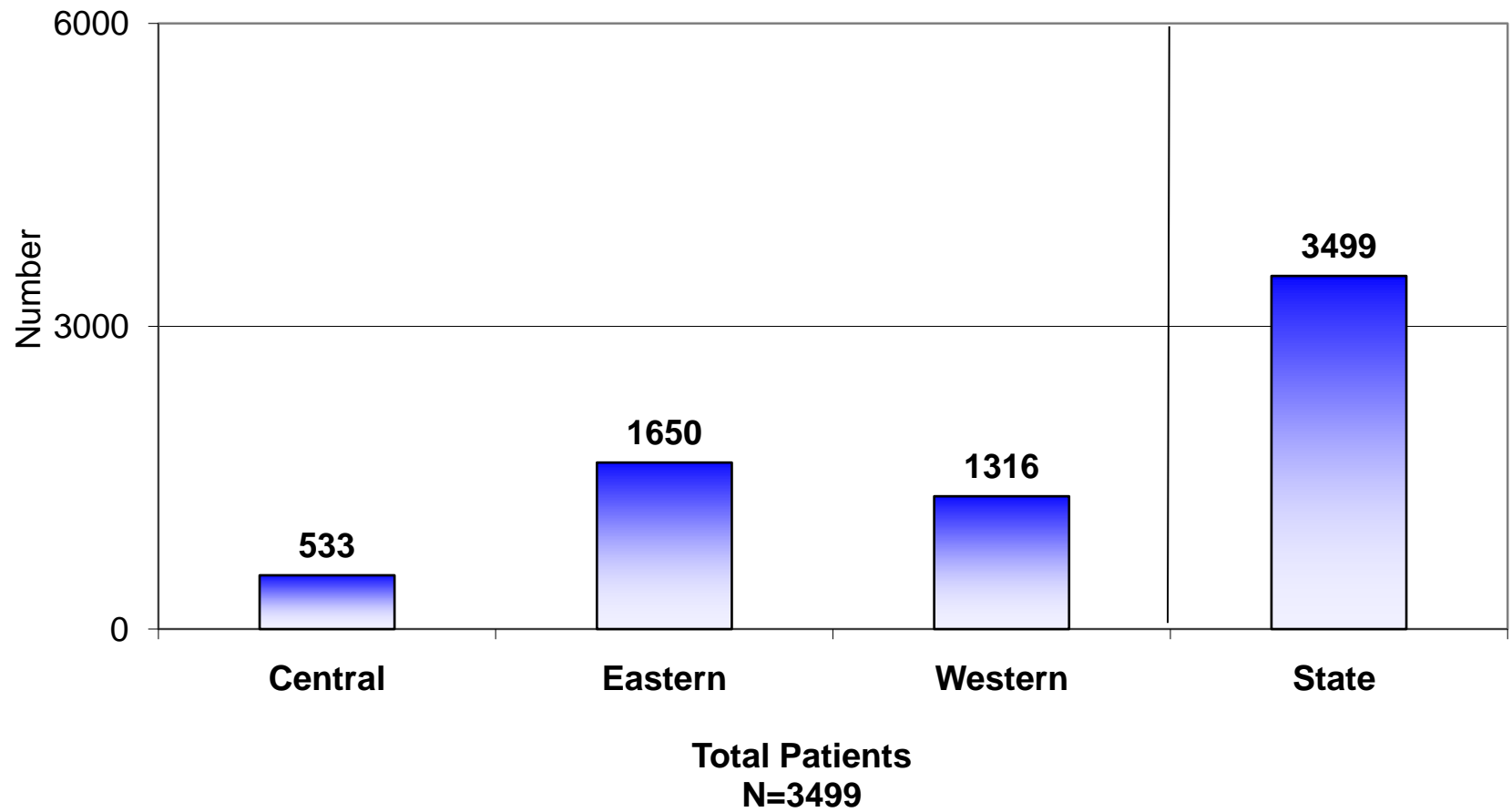


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# **State Trauma Care Committee Report May 11, 2010**

**Montana Trauma Registry  
January 1 – December 31, 2009**

## Total Patients Year 2009



# Central Region Facilities

<b>Fort Benton - Missouri River Medical Center</b>	<b>12</b>
<b>Browning - PHS Indian Hospital</b>	<b>6</b>
<b>Havre - Northern Montana Hospital</b>	<b>53</b>
<b>Townsend - Broadwater Health Center</b>	<b>6</b>
<b>Choteau - Teton Medical Center</b>	<b>14</b>
<b>Cut Bank - Northern Rockies Medical Center</b>	<b>*13</b>
<b>Conrad - Pondera Medical Center</b>	<b>7</b>
<b>Chester - Liberty County Hospital</b>	<b>2</b>
<b>Great Falls - Benefis Health Care</b>	<b>408</b>
<b>Helena - St. Peter's Hospital</b>	<b>*12</b>

**533**

**N=3499**

# Eastern Region Facilities

Ennis - Madison Valley Hospital	10
Livingston Memorial Hospital	51
Sheridan - Ruby Valley Hospital	3
Roundup Memorial Hospital	24
Lewistown - Central Montana Hospital	23
Scobey - Daniels Memorial Hospital	2
Culbertson - Roosevelt Memorial Medical Center	7
Harlowton - Wheatland Memorial Hospital	9
Malta - Phillips County Medical Center	5
Red Lodge - Beartooth Hospital & Health Center	32
Plentywood - Sheridan Memorial Hospital	7
Columbus - Stillwater Community Hospital	7
Sidney Health Center	32
Wolf Point - Trinity Hospital	21
Poplar - Northeast Montana Health Services	17
Glasgow - Frances Mahon Deaconess Hospital	24
Big Timber - Pioneer Medical Center	14
Hardin - Big Horn County Memorial Hospital	4
Crow Agency - PHS Indian Hospital	61
Bozeman Deaconess Hospital	213
Billings - Billings Clinic	645
Billings - Saint Vincent Healthcare	424
Circle - McCone County Health Center	1
Lame Deer Clinic	4
Colstrip Medical Clinic	10
Total	1650

N=3499

# Western Region Facilities

Plains - Clark Fork Valley Hospital	30
Polson - St. Joseph Hospital	48
Anaconda - Community Hospital of Anaconda	33
Hamilton - Marcus Daly Memorial Hospital	14
Dillon - Barrett Hospital	39
Superior - Mineral County Hospital	20
Ronan - St. Luke Community Hospital	40
Deer Lodge - Powell County Memorial Hospital	26
Libby - St. John's Lutheran Hospital	8
Whitefish - North Valley Hospital	57
Philipsburg - Granite County Medical Center	6
Kalispell Regional Hospital	368
Missoula - Community Medical Center	88
Butte - St. James Healthcare	124
Missoula - St. Patrick Hospital	415
Total	1316

N=3499

# 2009 Patient YTD Demographics

**75% ages 10-64 (28% > 55 yrs of age)**

**7% < 10 of age**

**16% ≥ 65 of age**

**77% White**

**14% Native**

**3% Other**

**7% ND**

**69% Male**

**31% Female**

# 2009 Patient Demographics



**92% Blunt**

**6% Penetrating**

**1% Burns**

**1% Anoxia**

# Blunt Injury Causes

**34 % MVC**

**26% Falls**

**11 % MCC/ATV**

**6% Horse**

**5% Assault**

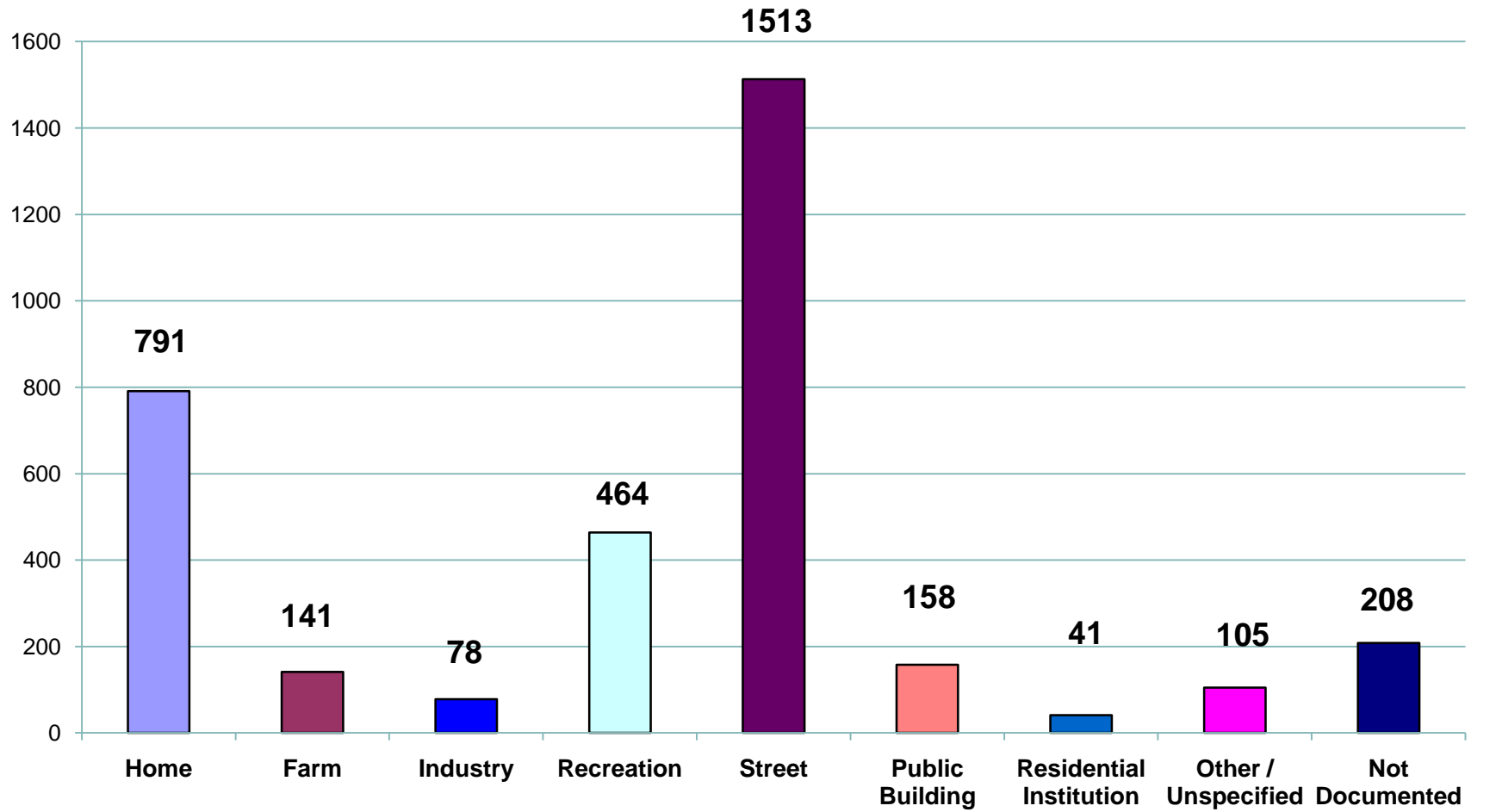
**1% Bicycle**

**1% Pedestrian**

**6% Other**

**11% Not Documented**

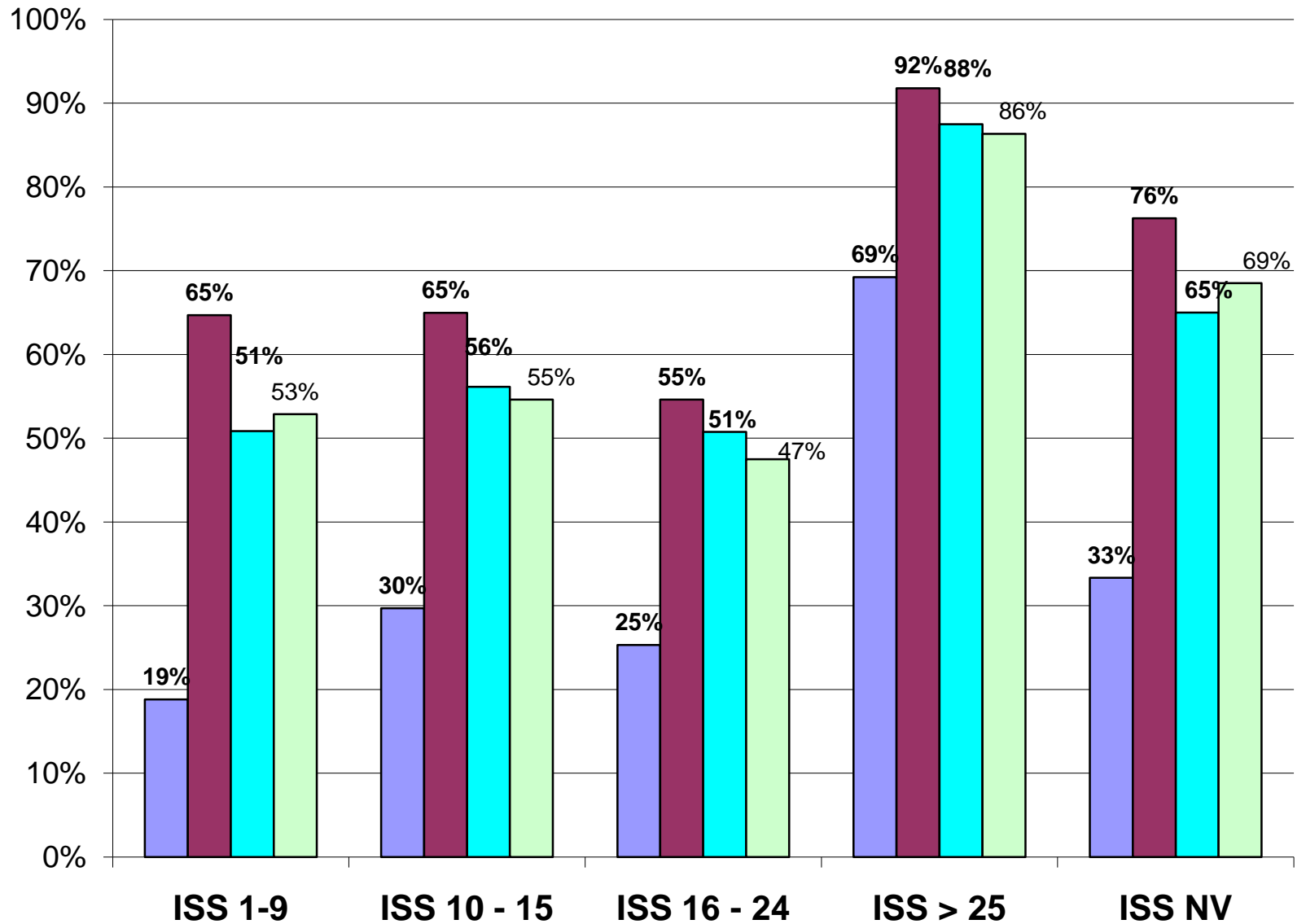
## State Location of Injury



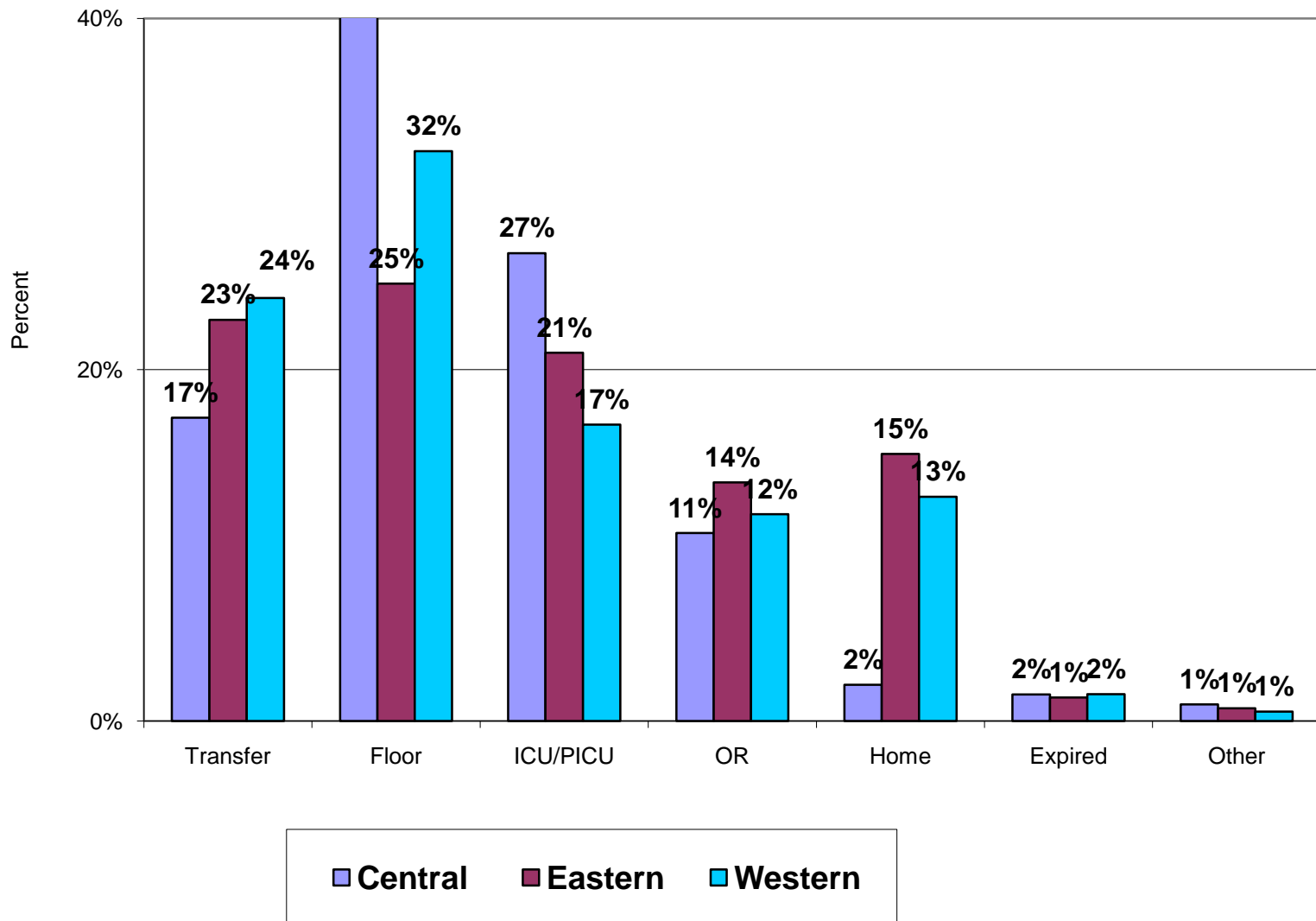
N=3499

## Trauma Team Activations by ISS N=3499

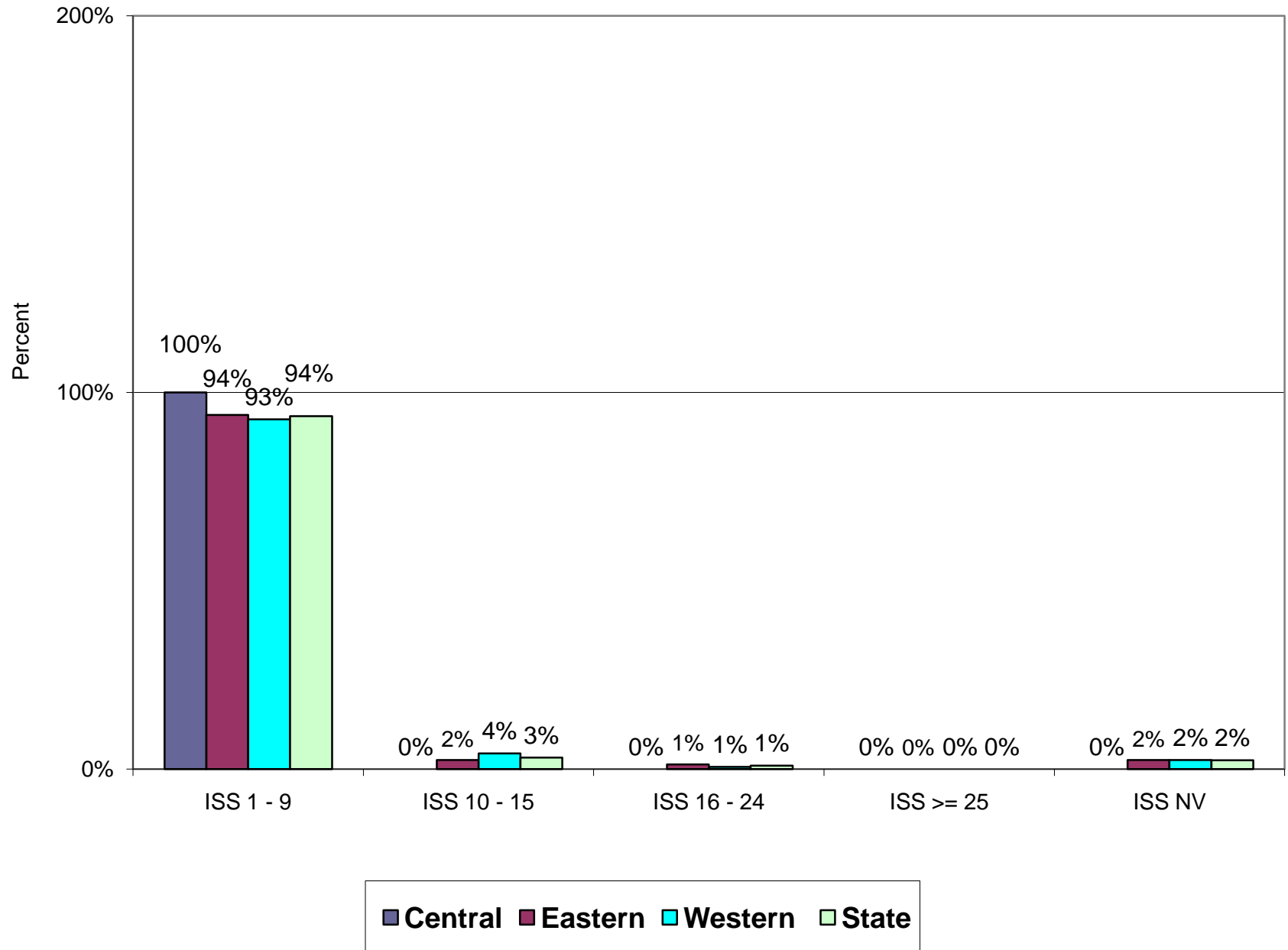
central  
western  
eastern  
state



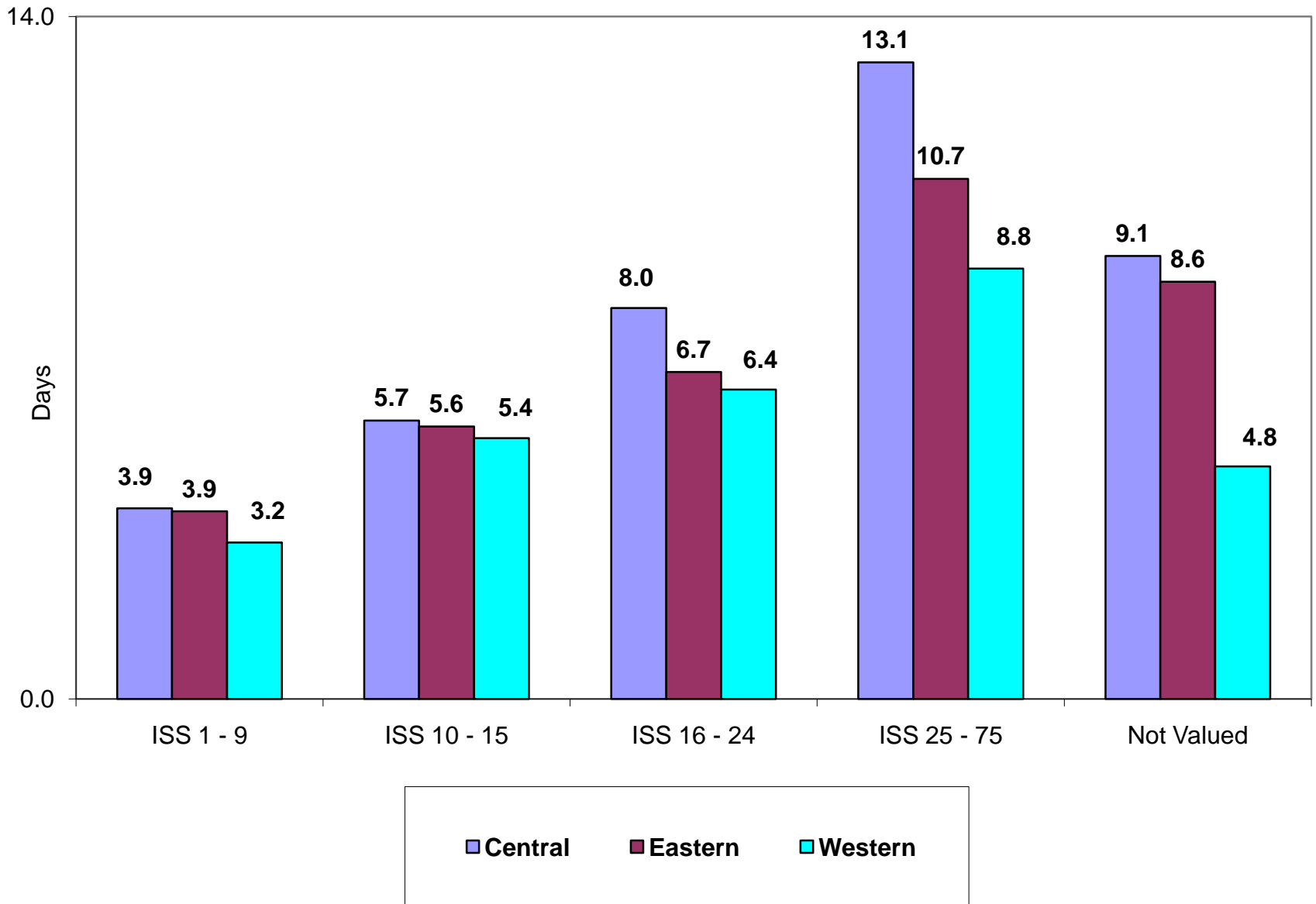
## ED Disposition



## ED to Home By ISS

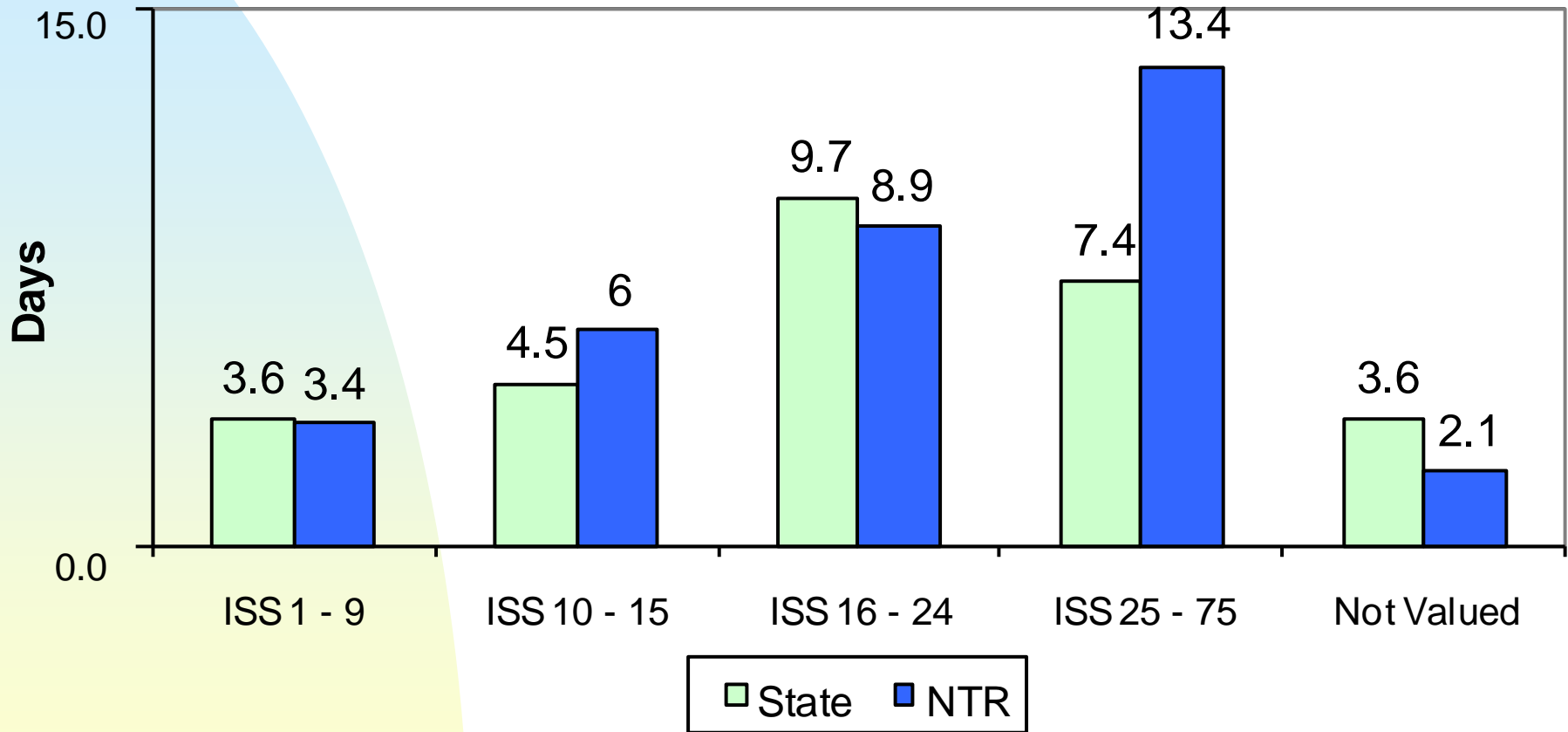


## Avg. Hospital LOS by Region

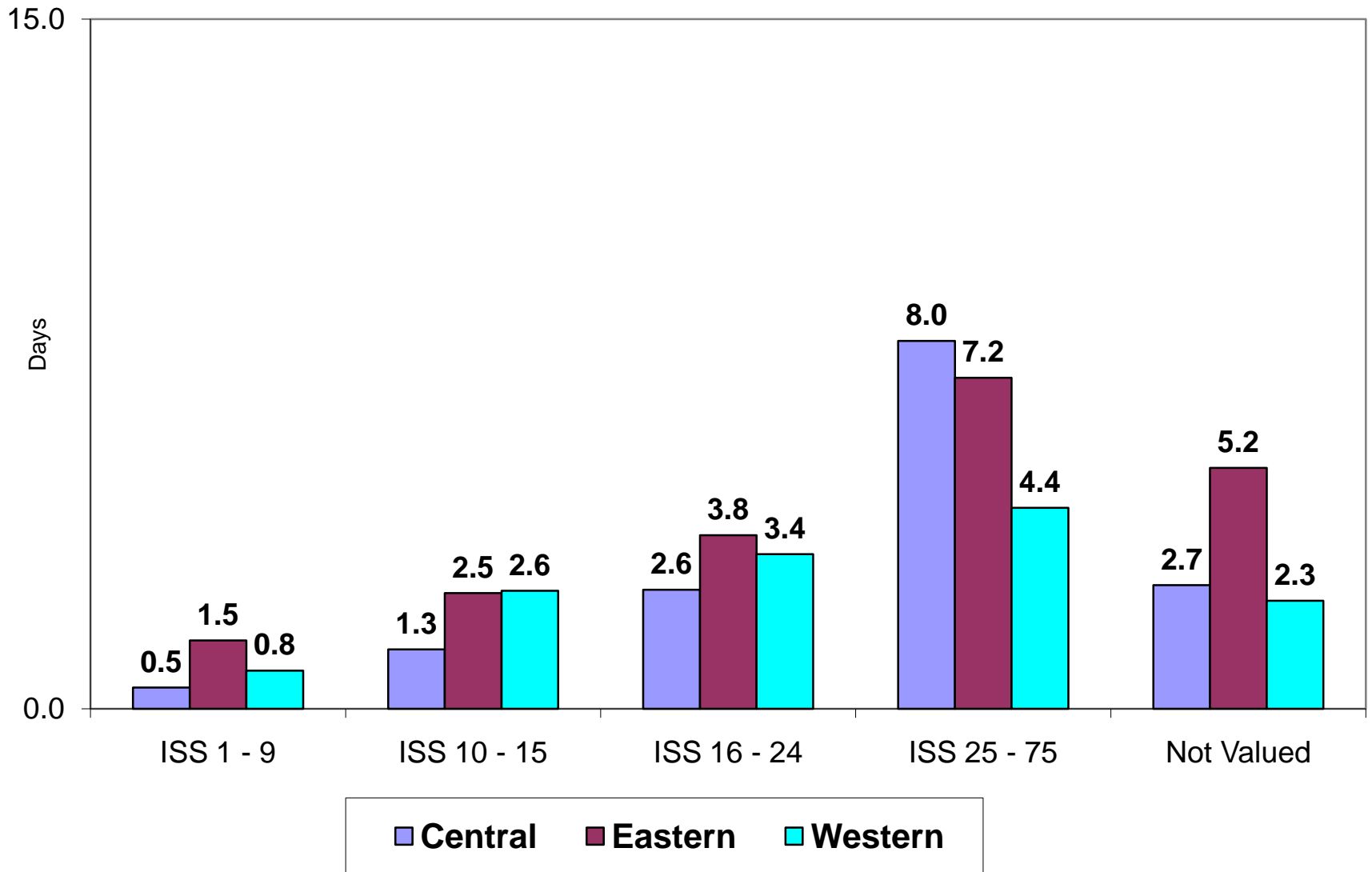


# Avg. Hospital LOS

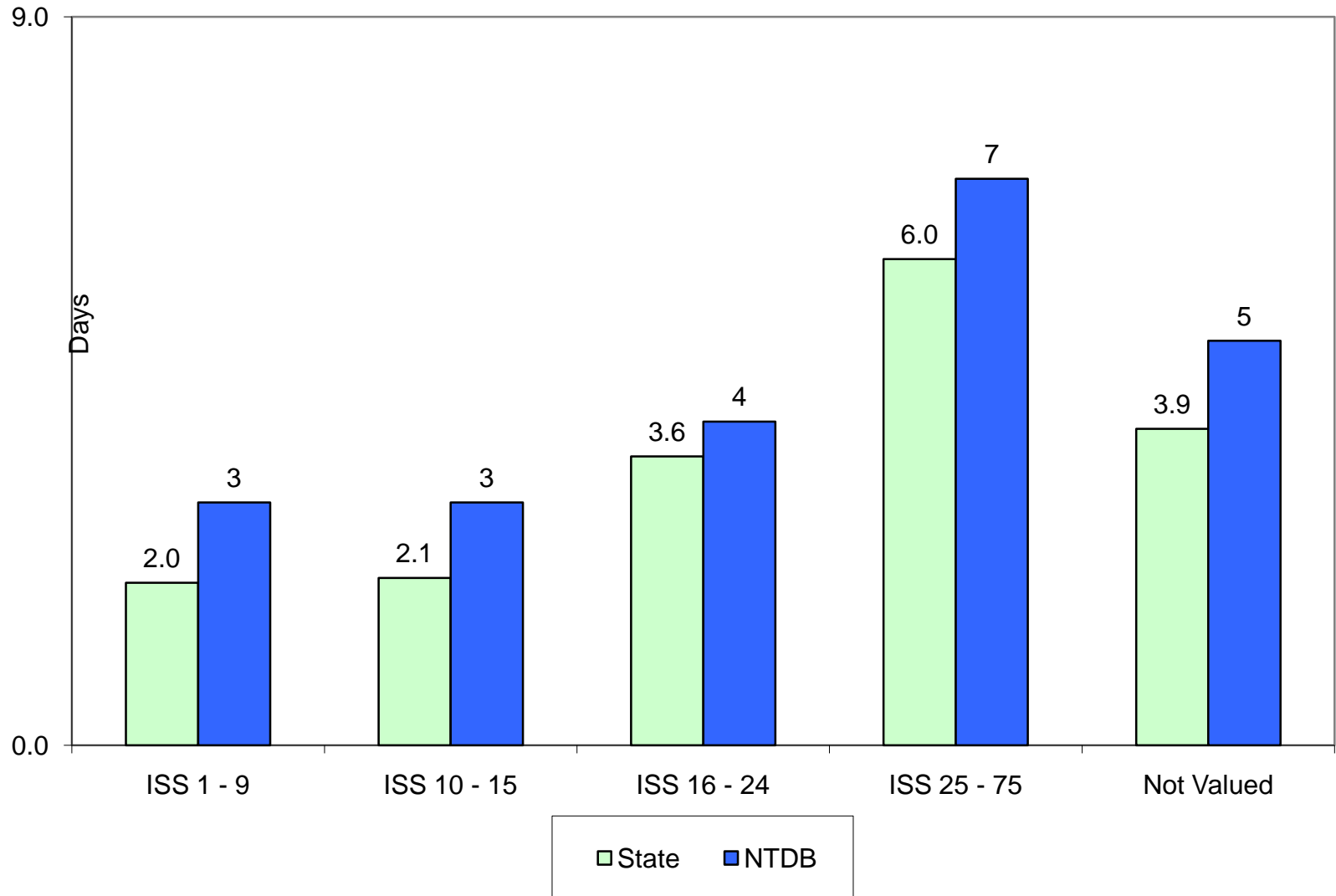
(comparing State and National Trauma Registry)  
1-3 quarters 2007



**Avg. ICU LOS by Region**



## Avg. ICU LOS (Comparing State and National Trauma Registry)



# Fatalities

**N = 153 (2009)**

**Falls – 46 (30%)**

**MVC – 43 (28%)**

**MCC/ATV- 20 (13%)**

**SIGSW – 8**

**Assault -12 (8%)**

**Hanging – 5**

**Animal related – 2**

**Pedestrian – 7**

**Acc shooting -1**

**Ski - 1**

**Crush -1**

**Explosion - 1**

**Crush – 1**

**Drowning -1**

**Electrocution-3**

**Burn - 1**

# Fatalities

**MVC : 43**

**+ Restraint  
15**

**- Restraint  
23**

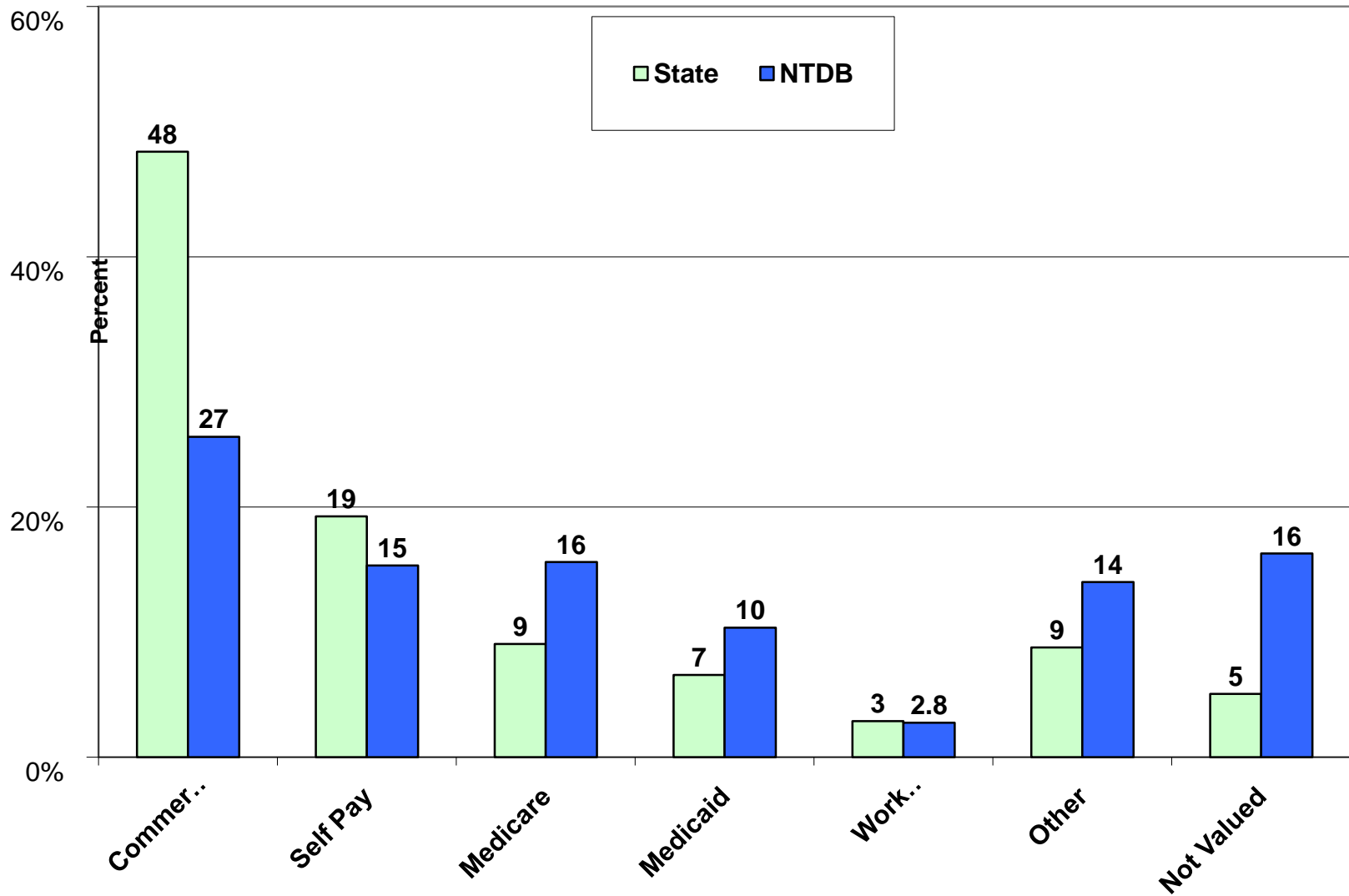
**UNK  
5**

**MCC/ATV : 20**

**Helmet  
2**

**No Helmet  
18**

## Payors



# Performance Indicators

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1<sup>st</sup> – 4th Quarters 2009  
January 1 – December

# PI # 1: Trauma Patients Transported per EMS Without Trip Report in the Medical Record

**Prehospital Transport: YTD 2508 (72% of all TR)**

**Report available: YTD 1822 (73%),  
(08: 76%)**

**No Report: YTD 510 (25%),  
(08: 29%)**

# PI # 1 cont'd

## Ambulance Transports YTD

**Central: 358 (67% of total Central pts)**  
**+ Report: 222 (62%)**

**Eastern: 1184 (72% of total Eastern pts)**  
**+ Report: 899 (76%)**

**Western: 966 (73% of total Western pts)**  
**+ Report: 701 (73%)**